

## Preaward Compliance Review Report for All Applicants and Recipients Requesting EPA Financial Assistance

Note: Read Instructions before completing form.

**I. A. Applicant/Recipient (Name, Address, City, State, Zip Code)**

Name:

Address:

City:

State:  Zip Code:

**B. DUNS No.**

**II. Is the applicant currently receiving EPA Assistance?** ☒ Yes ☐ No

**III. List all civil rights lawsuits and administrative complaints pending against the applicant/recipient that allege discrimination based on race, color, national origin, sex, age, or disability. (Do not include employment complaints not covered by 40 C.F.R. Parts 5 and 7.)**

**IV. List all civil rights lawsuits and administrative complaints decided against the applicant/recipient within the last year that allege discrimination based on race, color, national origin, sex, age, or disability and enclose a copy of all decisions. Please describe all corrective actions taken. (Do not include employment complaints not covered by 40 C.F.R. Parts 5 and 7.)**

**V. List all civil rights compliance reviews of the applicant/recipient conducted by any agency within the last two years and enclose a copy of the review and any decisions, orders, or agreements based on the review. Please describe any corrective action taken. (40 C.F.R. § 7.80(c)(3))**

**VI. Is the applicant requesting EPA assistance for new construction? If no, proceed to VII; if yes, answer (a) and/or (b) below.**

☐ Yes ☒ No

**a. If the grant is for new construction, will all new facilities or alterations to existing facilities be designed and constructed to be readily accessible to and usable by persons with disabilities? If yes, proceed to VII; if no, proceed to VI(b).**

☐ Yes ☐ No

**b. If the grant is for new construction and the new facilities or alterations to existing facilities will not be readily accessible to and usable by persons with disabilities, explain how a regulatory exception (40 C.F.R. 7.70) applies.**

**VII. Does the applicant/recipient provide initial and continuing notice that it does not discriminate on the basis of race, color, national origin, sex, age, or disability in its program or activities? (40 C.F.R. 5.140 and 7.95)**

☒ Yes ☐ No

**a. Do the methods of notice accommodate those with impaired vision or hearing?**

☐ Yes ☒ No

**b. Is the notice posted in a prominent place in the applicant's offices or facilities or, for education programs and activities, in appropriate periodicals and other written communications?**

☒ Yes ☐ No

**c. Does the notice identify a designated civil rights coordinator?**

☐ Yes ☒ No

**VIII. Does the applicant/recipient maintain demographic data on the race, color, national origin, sex, age, or handicap of the population it serves? (40 C.F.R. 7.85(a))**

☒ Yes ☐ No

**IX. Does the applicant/recipient have a policy/procedure for providing access to services for persons with limited English proficiency? (40 C.F.R. Part 7, E.O. 13166)**

☒ Yes ☐ No

- X. If the applicant is an education program or activity, or has 15 or more employees, has it designated an employee to coordinate its compliance with 40 C.F.R. Parts 5 and 7? Provide the name, title, position, mailing address, e-mail address, fax number, and telephone number of the designated coordinator.

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- XI. If the applicant is an education program or activity, or has 15 or more employees, has it adopted grievance procedures that assure the prompt and fair resolution of complaints that allege a violation of 40 C.F.R. Parts 5 and 7? Provide a legal citation or Internet Address for, or a copy of, the procedures.

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**For the Applicant/Recipient**

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law. I assure that I will fully comply with all applicable civil rights statutes and EPA regulations.

A. Signature of Authorized Official

B. Title of Authorized Official

C. Date

Alan Edwards

Co-Executive Director

03/25/2022

**For the U.S. Environmental Protection Agency**

I have reviewed the information provided by the applicant/recipient and hereby certify that the applicant/recipient has submitted all preaward compliance information required by 40 C.F.R. Parts 5 and 7; that based on the information submitted, this application satisfies the preaward provisions of 40 C.F.R. Parts 5 and 7; and that the applicant has given assurance that it will fully comply with all applicable civil rights statutes and EPA regulations.

A. \*Signature of Authorized EPA Official

B. Title of Authorized Official

C. Date

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**\* See Instructions**

Instructions for EPA FORM 4700-4 (Rev. 06/2014)

General. Recipients of Federal financial assistance from the U.S. Environmental Protection Agency must comply with the following statutes and regulations.

Title VI of the Civil Rights Acts of 1964 provides that no person in the United States shall, on the grounds of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance. The Act goes on to explain that the statute shall not be construed to authorize action with respect to any employment practice of any employer, employment agency, or labor organization (except where the primary objective of the Federal financial assistance is to provide employment). Section 13 of the 1972 Amendments to the Federal Water Pollution Control Act provides that no person in the United States shall on the ground of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under the Federal Water Pollution Control Act, as amended. Employment discrimination on the basis of sex is prohibited in all such programs or activities. Section 504 of the Rehabilitation Act of 1973 provides that no otherwise qualified individual with a disability in the United States shall solely by reason of disability be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance. Employment discrimination on the basis of disability is prohibited in all such programs or activities. The Age Discrimination Act of 1975 provides that no person on the basis of age shall be excluded from participation under any program or activity receiving Federal financial assistance. Employment discrimination is not covered. Age discrimination in employment is prohibited by the Age Discrimination in Employment Act administered by the Equal Employment Opportunity Commission. Title IX of the Education Amendments of 1972 provides that no person in the United States on the basis of sex shall be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity receiving Federal financial assistance. Employment discrimination on the basis of sex is prohibited in all such education programs or activities. Note: an education program or activity is not limited to only those conducted by a formal institution. 40 C.F.R. Part 5 implements Title IX of the Education Amendments of 1972. 40 C.F.R. Part 7 implements Title VI of the Civil Rights Act of 1964, Section 13 of the 1972 Amendments to the Federal Water Pollution Control Act, and Section 504 of The Rehabilitation Act of 1973. The Executive Order 13166 (E.O. 13166) entitled; "Improving Access to Services for Persons with Limited English Proficiency" requires Federal agencies work to ensure that recipients of Federal financial assistance provide meaningful access to their LEP applicants and beneficiaries.

Items "Applicant" means any entity that files an application or unsolicited proposal or otherwise requests EPA assistance. 40 C.F.R. §§ 5.105, 7.25. "Recipient" means any entity, other than applicant, which will actually receive EPA assistance. 40 C.F.R. §§ 5.105, 7.25. "Civil rights lawsuits and administrative complaints" means any lawsuit or administrative complaint alleging discrimination on the basis of race, color, national origin, sex, age, or disability pending or decided against the applicant and/or entity which actually benefits from the grant, but excluding employment complaints not covered by 40 C.F.R. Parts 5 and 7. For example, if a city is the named applicant but the grant will actually benefit the Department of Sewage, civil rights lawsuits involving both the city and the Department of Sewage should be listed. "Civil rights compliance review" means any review assessing the applicant's and/or recipient's compliance with laws prohibiting discrimination on the basis of race, color, national origin, sex, age, or disability. Submit this form with the original and required copies of applications, requests for extensions, requests for increase of funds, etc. Updates of information are all that are required after the initial application submission. If any item is not relevant to the project for which assistance is requested, write "NA" for "Not Applicable." In the event applicant is uncertain about how to answer any questions, EPA program officials should be contacted for clarification. \* Note: Signature appears in the Approval Section of the EPA Comprehensive Administrative Review For Grants/Cooperative Agreements & Continuation/Supplemental Awards form.



# EPA KEY CONTACTS FORM

OMB Number: 2030-0020  
Expiration Date: 06/30/2024

**Authorized Representative:** *Original awards and amendments will be sent to this individual for review and acceptance, unless otherwise indicated.*

<b>Name:</b>	<b>Prefix:</b> Mr.	<b>First Name:</b> Tanner	<b>Middle Name:</b>
	<b>Last Name:</b> Yess		<b>Suffix:</b>
<b>Title:</b>	Co-Executive Director		
<b>Complete Address:</b>			
<b>Street1:</b>	3696 Kendall Avenue		
<b>Street2:</b>			
<b>City:</b>	Cincinnati	<b>State:</b>	OH: Ohio
<b>Zip / Postal Code:</b>	45208	<b>Country:</b>	USA: UNITED STATES
<b>Phone Number:</b>	513-301-0310	<b>Fax Number:</b>	
<b>E-mail Address:</b>	tyess@groundworkorv.org		

**Payee:** *Individual authorized to accept payments.*

<b>Name:</b>	<b>Prefix:</b> Mr.	<b>First Name:</b> Alan	<b>Middle Name:</b>
	<b>Last Name:</b> Edwards		<b>Suffix:</b>
<b>Title:</b>	Co-Executive Director		
<b>Complete Address:</b>			
<b>Street1:</b>	3696 Kendall Aveune		
<b>Street2:</b>			
<b>City:</b>	Cincinnati	<b>State:</b>	OH: Ohio
<b>Zip / Postal Code:</b>	45208	<b>Country:</b>	USA: UNITED STATES
<b>Phone Number:</b>	513-301-0310	<b>Fax Number:</b>	
<b>E-mail Address:</b>	aedwards@groundworkorv.org		

**Administrative Contact:** *Individual from Sponsored Programs Office to contact concerning administrative matters (i.e., indirect cost rate computation, rebudgeting requests etc).*

<b>Name:</b>	<b>Prefix:</b> Miss	<b>First Name:</b> Tionna	<b>Middle Name:</b>
	<b>Last Name:</b> Jordan		<b>Suffix:</b>
<b>Title:</b>	Administrative Specialist		
<b>Complete Address:</b>			
<b>Street1:</b>	3696 Kendall Avenue		
<b>Street2:</b>			
<b>City:</b>	Cincinnati	<b>State:</b>	OH: Ohio
<b>Zip / Postal Code:</b>	45208	<b>Country:</b>	USA: UNITED STATES
<b>Phone Number:</b>	513-301-0310	<b>Fax Number:</b>	
<b>E-mail Address:</b>	tjordan@groundworkorv.org		

# EPA KEY CONTACTS FORM

**Project Manager:** *Individual responsible for the technical completion of the proposed work.*

**Name:** **Prefix:**  **First Name:**  **Middle Name:**

**Last Name:**  **Suffix:**

**Title:**

**Complete Address:**

**Street1:**

**Street2:**

**City:**

**State:**

**Zip / Postal Code:**

**Country:**

**Phone Number:**

**Fax Number:**

**E-mail Address:**

## Other Attachment File(s)

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\* Mandatory Other Attachment Filename:

Add Mandatory Other Attachment

Delete Mandatory Other Attachment

View Mandatory Other Attachment

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To add more "Other Attachment" attachments, please use the attachment buttons below.

Add Optional Other Attachment

Delete Optional Other Attachment

View Optional Other Attachment

## Project Narrative File(s)

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\* **Mandatory Project Narrative File Filename:**

Add Mandatory Project Narrative File

Delete Mandatory Project Narrative File

View Mandatory Project Narrative File

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To add more Project Narrative File attachments, please use the attachment buttons below.

Add Optional Project Narrative File

Delete Optional Project Narrative File

View Optional Project Narrative File



### **Community Based Organization - Set Aside**

**Groundwork Ohio River Valley** is where justice, equity, and the environment meet. Groundwork's programs expand human connection to nature in communities left behind by the environmental movement. Through green jobs, stewardship, and citizen science, Groundwork connects the environment to residents' quality-of-life. It has built the Green Team, one of the nation's largest youth green workforce programs with over 100 employees who come from diverse racial and socio-economic backgrounds, usually from underserved neighborhoods. After-school and summer jobs allow youth to re-envision their campuses, conduct conservation and schoolyard transformations, and learn how environmental quality affects their communities, and what they can do about it. Green Team youth work on climate resilience and mitigation projects around the region.

GWORV is the only environmental nonprofit in Cincinnati with leadership of color at all levels of Staff and Board, we live and work in the communities that we serve. GWORV houses mapping and data experts, as well as staff who work directly with environmental justice communities. Groundwork staff have been living and working in the Mill Creek corridor since 2013. This area is home to most of Cincinnati's heavy industry, minority residents, and/or low-income residents- historic environmental justice communities. Over the past six years, we have proved and expanded our programs based on these challenges. In 2019, we started Groundwork Ohio River Valley. Since then, we have responded to community priorities by creating one of the nation's largest paid youth green workforce programs, led the city's first neighborhood-level climate resilience planning process in Lower Price Hill's community council, and established close bonds with the neighborhood community learning center and school.

Over the past three years, Groundwork has become the region's leading voice for local climate resilience and equity. We have grown during the pandemic due to increased community need for Groundwork programming. Community trust drives our success and is built by living in the communities we work, paying residents to better their neighborhoods by increasing capacity to advocate at city hall for environmental initiatives that impact their quality-of-life. A tenet of our Climate Safe Neighborhoods Partnership is building community power and wealth. Groundwork hires community leaders from each neighborhood cohort to champion local green infrastructure projects and initiatives.

Tanner Yess

Co-Executive Director, Groundwork Ohio River Valley



## Work Experience

15 years of nonprofit experience at various levels of management and programming around the world, paired with local connections and partnerships in Greater Cincinnati:

- ❑ 2019-Present: **Founding Co-Executive Director**, Groundwork Ohio River Valley
  - ❑ Developed new nonprofit with Groundwork USA built on community outreach, education and green jobs.
  - ❑ Created the Green Green Corps Urban Workforce Program focusing on designing and building GI with community buy-in. **NGICP Certification** and training.
  - ❑ Oversee all aspects of starting and running the organization.
- ❑ 2017-2019: **Deputy Director**, Groundwork Cincinnati – Mill Creek  
Manage and raise funds for \$5,000 - \$500,000 projects. Duties include grant writing, project management, budgeting, program implementation, fieldwork supervision, and executive level functions.
  - ❑ Foster relationships with the National Park Service, U.S. Fish and Wildlife Service, and the U.S. EPA resulting in multiple grants and financial support.
  - ❑ Successful grants and fundraising campaigns with local and national partners.
  - ❑ Experience measuring impact of programs for funders and participants.
  - ❑ Collaboration with Cincinnati and Hamilton County's Youth 2 Work initiatives connecting youth to jobs.
- ❑ 2014-2018: **Board of Directors and Trip Leader**, Outdoor Adventure Clubs of Greater Cincinnati.
- ❑ 2014-2015: **Membership Chair**, Association of Fundraising Professionals University of Cincinnati Collegiate Chapter.
- ❑ 2013-2015: **Planning Partner**, Green Umbrella & Groundwork Cincinnati  
Co-creator of TriState Trails' Regional Trails Plan, the first trails plan for the region.
- ❑ 2014-Present: **Member**, Ohio River Paddlefest Planning Committee.
- ❑ 2011-2013: **Peace Corps Volunteer**, Thailand  
Organized multi-district projects focused on sustainable tourism, environmental education and recreation.
- ❑ 2010: **NOAA Observer**, Techsea International, Dutch Harbor Alaska.  
Data driven management of Alaska's ocean fisheries and. Lived and worked on fishing vessels in the Bering Sea.
- ❑ 2009: **Coastal Ecology Instructor**, Shannon Point Marine Center, Western Washington University.
- ❑ 2007-2010: **Stream Restoration Assistant**, NKU Center for Environmental Restoration.

## Education, Research & Other Publications

Academia rooted in practice with community partners:

- ❑ Shifflett, S.D.; Newcomer-Johnson, T.; Yess, T.; Jacobs, S. Interdisciplinary Collaboration on Green Infrastructure for Urban Watershed Management: An Ohio Case Study. *Water* 2019, 11, 738.
- ❑ 2013-2015: Student/Graduate Assistant - **Master of Community Planning**, Concentration on Urban Planning and Resource Management, University of Cincinnati.
- ❑ 2012: Water Hyacinth bioremediation/wetland filtration project manager, Thailand.
- ❑ 2005-2009: **Bachelor of Science in Environmental Science**, NKU.
- ❑ Hood, Corathers, et al. (2015). Cincinnati Connects: Weaving together our Region's Trails.
- ❑ Yess, T. (2015). Evaluating the Implementation of Village-scale Ecotourism in Thale Noi, Thailand and the Association of Southeast Asian Nations (ASEAN). Journal of the University of Cincinnati's MCP theses.
- ❑ 2007: Ecotourism specialized coursework, Universidad Nacional de CR, Costa Rica.
- ❑ Yess, T. & Varady, D. (2015). BOOK REVIEW Roxanne Warren, Rail and the City: Shrinking Our Carbon Footprint While Reimagining Urban Space. *Journal of Urban Affairs*.
- ❑ Hixson, B., Hopgood, D., & Yess, T. (2014). Water. In D. J. Edelman (Ed.), *Managing the urban environment - Mysore, India* (pp. 239-266). Saarbrücken, Germany: LAP LAMBERT
- ❑ 2006: "An Assessment of Livelihood Strategies with Community Perceptions in the Amboseli Region and their effects on Community Conservation." Boston University, Kenya. Worked with native Maasai tribes on human-wildlife interactions.

## Outreach & Awards

Working towards the future of conservation in cities across the nation:

- ❑ 2018: Murie Spirit of Conservation Rising Leader Award
- ❑ 2017: SH/FT Emerging Leader One of 32 individuals selected from across the nation as leaders in outdoor recreation and conservation. Designation provides connections to large outdoor retailers, National Park units, and outdoor recreation nonprofits.
- ❑ July 2017: Presenter for the international conference: People of the Global Majority in the Outdoors, Nature, and the Environment (**PGM ONE**).
- ❑ 2016 -2017: **National Park Service**, Mountains to Mainstreet Ambassador: Advise on specialized projects across the nation connecting urban residents to parks.
- ❑ **Patagonia Pro**: Affiliated athlete with Patagonia for gear purchase and testing.
- ❑ Languages: Spanish (proficient), Thai (advanced)

# Sarah B. Morgan

## Ex. 6 Personal Privacy (PP)

### Education

#### Master of Community Planning

University of Cincinnati, Cincinnati, OH

Thesis: "A Proposed Methodology for Evaluating 20<sup>th</sup> Century Local Planning Policy's Influence on 21<sup>st</sup> Century Urban Heat Vulnerability"

Expected Graduation: May 2021

#### Master of Science in Social Work

University of Louisville, Louisville, KY

May 2019

#### Bachelor of Social Work

University of Louisville, Louisville, KY

May 2016

### Academic Awards & Honors

2020 U.S. EPA Campus RainWorks Design Challenge, Honorable Mention

2016 Commencement Speaker, University of Louisville Convocation

2016 Outstanding Student Award, Kent School of Social Work

### Relevant Work Experience

#### GIS & Spatial Data Analyst | Groundwork Ohio River Valley | Cincinnati, OH

June 2020 - Present

- Coordinated a team of regional GIS professionals in partnership with the NASA DEVELOP Program, with the goal of using spatial data and satellite imagery to analyze urban heat and flood vulnerability.
- Worked with program managers to integrate ArcCollector into fieldwork data collection.
- Researched, mapped, and created visualizations focused on historic city policies' relationship to Cincinnati's current environmental disparities as part of Groundwork's national Climate Safe Neighborhoods initiative.

#### Planning Technician Intern | Dearborn County Planning | Lawrenceburg, IN

June 2020 - August 2020

- Researched, updated, and organized relevant data for Dearborn County's Comprehensive Plan Update.
- Created maps and data visualizations necessary for the Plan Update using ArcGIS and Adobe Illustrator.

#### Community Health Organizer | The Trager Research Institute | Louisville, KY

January 2018 - August 2019

- Managed a seven-county Community Needs Assessment in partnership with the local Area Development District, collecting and analyzing over 700 surveys from older adults throughout 7 counties
- Facilitated four public meetings to provide input for the Needs Assessment and organized feedback for the qualitative analysis used in the final report.
- Coordinated and executed monthly education events focused on rural healthcare access and an interdisciplinary conference with over 250 participants in attendance.

#### AmeriCorps VISTA Volunteer Coordinator | Louisville Grows | Louisville, KY

May 2016 - May 2017

- Facilitated the donation and installation of a new greenhouse irrigation system from GE Appliances.
- Coordinated and trained over 300 corporate and individual volunteers for various initiatives including:
  - Planting and landscaping a block-wide community food forest in partnership with Passport Health.
  - Two community tree planting events in neighborhoods, adding 150 new trees to the city's canopy.
  - Converting a seven-acre vacant property into a functional urban farm in partnership with a local refugee service organization.

#### Practicum Student Intern | The Trager Research Institute | Louisville, KY

June 2015 - May 2016

- Trained community leaders on performing diabetes testing and discuss results with clients.
- Supported volunteers by providing health education materials and connecting clients with local resources.
- Analyzed both quantitative and qualitative survey and interview data regarding program impact.

### Professional Skills

#### Skilled In:

Project Management  
Report Writing  
Community Outreach  
Public Meeting Facilitation

#### Familiar With:

Grant Writing  
Survey Design  
Data Analysis, Collection  
& Visualization

### Software Skills

#### Skilled In:

Microsoft Office Suite  
Adobe InDesign  
Adobe Illustrator  
ESRI ArcGIS Products  
(Pro, Online, Storymaps)

#### Familiar With:

Mailchimp  
Adobe Photoshop  
SketchUp  
AutoCAD

# KELSEY HAWKINS-JOHNSON

## ADDRESS

Ex. 6 Personal Privacy (PP)

## MOBILE

Ex. 6 Personal Privacy (PP)

## EMAIL

Ex. 6 Personal Privacy (PP)

## SKILLS

Quantitative, Qualitative, Ethnographic Research  
Methods  
WordPress  
Microsoft Office  
Google Suite  
R Software  
Stata  
ArcGIS  
Salesforce  
Canva  
Basic Spanish & French

## EDUCATION

BACHELOR OF ARTS,  
ANTHROPOLOGY

**EASTERN MICHIGAN UNIVERSITY**  
Ypsilanti, MI

Graduated 2018, *Cum Laude*  
Honors College Member

### Minor:

Minored in International Affairs and Literature

COLBY COLLEGE,  
RESEARCH EXPERIENCE FOR  
UNDERGRADUATES IN ETHIOPIA

**SCHOOL OF ENVIRONMENTAL STUDIES**  
Waterville, ME  
Jun 2017 - Aug 2017

Chosen as 1 of 8 students nationally to participate in National Scientific Foundation program training students in Amharic, social survey research, ecological field methods and spatial analysis using Geographic Information Systems (GIS)

Conducted and analyzed data on community conservation strategies, land and resource rights, governance, and community behavior. Designed and presented research findings at two global conferences and three domestically

## LEADERSHIP

### Cellar Roots Literary & Art Magazine

Served as Editor-in-Chief. Created first website and social media. Oversaw the copy-editing, design production, delivery and distribution of magazine within an established budget. Recruited, managed and evaluated a team of eleven student staff.

### Honor's College Advocacy Program

Presented on the nexus of climate advocacy and anthropology. Trained in policy advocacy and social media. Lobbied at MI state capital for better

## HIGHLIGHTED WORK EXPERIENCE

### SAUL LANDAU FELLOW

#### INSTITUTE FOR POLICY STUDIES II MAY 2019 – JAN 2020

Selected out of 300 applicants to participate as a member of in the Next Leaders Program, a professional development program that trains young activists in policy research and advocacy. Designed and co-facilitated workshops on Climate Justice and Decolonization for the Next Leaders cohort

Served as a core researcher, writer, and copy editor for IPS's Climate Policy and Inequality.org teams. Reported and wrote four original articles and op-eds from interviews and research, resulting in publication circulation of over 600,000

Analyzed principles and practices of Just Transition with a focus on Germany and other international countries for climate policy report

Evaluated past accomplishments and produced fundraising brief to show impact of Transit Equity Day and advance the reach of Transit Equity Day Coalition

Coordinated book release event for IPS Board Chair & New York Times acclaimed writer, Tope Folarin. Drafted outreach newsletter, managed vendor relationships for event of 131 attendees

Designed 2020 Presidential Candidates Inequality Survey web page via WordPress for Inequality.org. Compiled survey data for joint piece with The Nation

Sharpened understanding of legislative process by representing IPS at Environmental Justice Congressional Convening, the Poor People's Campaign Congressional Hearing, Tax the Rich Conference, and Student Debt Briefings

Contacted facilitators and support interview process for upcoming Water Justice convening

Compile and research 2020 ballot measures and initiatives on inequality-related issues

### RESIDENT ADVISOR

#### HOUSING & RESIDENCE LIFE II AUG 2017-APRIL 2018

Designed, facilitated and ran around ten educational programs that built community and met the needs of the floor, hall, and community

Performed administrative tasks at the front desk and assigned paperwork

Built relationships with students, staff, and campus resources to implement programs

### FOOD AND ENVIRONMENTAL JUSTICE COORDINATOR

#### VISION VOLUNTEER CENTER II MAY 2017 – APRIL 2018

Managed matching program for students to provide community service to local non-profits. Coordinated placement for 50 students to Massachusetts, West Virginia, and Georgia for Alternative Spring Break service in food and environmental justice

Prepared and organized resources to educate site leaders and their student participants on food and environmental justice, becoming resident expert

## Key Qualifications

- **Professional with B.S. in Environmental Studies with 5 years experience in the field, including community planning, environmental restoration, and policy work.**
- **Experience activating community spaces and efforts for climate change resiliency projects.**
- **Diverse skills in project development and execution, field work, facilitation, and administrative duties.**

## Experience

### **Groundwork Ohio River Valley: Founding Program Director**

*September 2019 - Present*

- Climate Safe Neighborhoods Program Director:
  - Lead Groundwork USA and the National Park Service's local community advocacy and climate resilience projects in Cincinnati.
  - Direct the region's first neighborhood-level climate resilience planning effort focusing on frontline communities and equity in climate planning.
  - Coordinate government, nonprofit, and private sector partners in National League of Cities and The Kresge Foundation funded climate planning/engagement programs.
  - Build programs based on community trust that combine resident led experiences/knowledge with policy action at all levels of local government. .
- Green Team Program Manager
  - Co-managed the expansion of one of the nation's largest youth green workforce programs. Connected work to climate change mitigation projects in underserved communities.
  - Coordinated public, private, and community partners to install public orchards, restore native forests, community gardens, and improve multi-use trails led by youth employees.
- Website, social media, fundraising and grant writing duties.

## **Groundwork Cincinnati- Mill Creek: Green Corps Crew Leader**

*January 2018 - September 2019*

- Lead the Cincinnati's first urban conservation corps and social enterprise that executed ecological restoration projects, compost initiatives, and energy efficiency programs.
- Designed education programming and service-learning projects
- Managed hundreds of volunteers to ensure the sampling of 52 sites and correct laboratory procedures every month.
- National Park Service, Mountains to Mainstreet Ambassador:

## **AmeriCorps Service, Denver, CO: Corps Member**

*September 2012 - July 2013*

- Worked and lived with a team that completed various projects across the US, including felling trees, disaster relief, ecological restoration, and facilitation of outdoor recreation for differently abled youth and adults.

## **Education**

### **Bachelor of Science in Environmental Studies** University of Cincinnati

*August 2014 - May 2019*

Minor in Sociology, Certificate in International Human Rights

## **Presentations**

### **Southern Indiana Conservation Happenings**

*Urban Wildlife Refuge Partnership Presentation*

March 2019

### **Midwest Sustainability Summit**

*The Young and The Restless: How Younger Generations are Stepping up to Fight Climate Change / Youth Resiliency in Cincy*

August 2020

### **North American Association for Environmental Education: Annual Conference**

*Mountains to Main Street: Engaging Community Influencers as Ambassadors*

October 2019

## **Publications**

"Climate Equity Indicators Report," City of Cincinnati Office of Environment and Sustainability, 2022

## **Skills & Certifications**

First Aid/AED/CPR Instructor Certification

National Green Infrastructure Certification (NGICP)

Master Composter

Ohio EPA Qualified Data Collector level 2

## Alan Edwards

### Ex. 6 Personal Privacy (PP)

#### *JOB EXPERIENCE*

Cincinnati, OH

##### **Groundwork Ohio River Valley**

###### **Co-Executive Director, 2019 - present**

- Co-founded the organization in 2019 after seven years working with local environmental non-profits. Manages volunteer engagement, environmental education, water quality monitoring, grant writing, systems management.

##### **Groundwork Cincinnati - Mill Creek**

###### **Director of Education, 2015- 2019**

- Organized, coordinated, and ran Groundworks year round environmental education program for 6<sup>th</sup>-12<sup>th</sup> grade and college students. Training youth in water quality monitoring, green infrastructure, stormwater and invasive species management, and service learning activities.

###### **Youth Leader & Field Work Manager, 2013-2015**

- Managed the 2013 and 2014 summer green team youth programs, training the youth in safe usage of tools and equipment, environmental education with school groups (water monitoring, biodiversity, and invasive species awareness).

Kédougou, Senegal

##### **U.S. Peace Corps**

###### **Regional Peace Corps Volunteer Leader**

Fall 2010 - Fall 2011

###### **Peace Corps Volunteer**

Fall 2008 - Fall 2010

#### **DEGREES & CERTIFICATIONS**

Bachelor of Arts

Miami University, Oxford, OH

May 2008

- History and Environmental Science co-major

Masters

University of Cincinnati

May 2014

- Master of Community Planning
  - Peace Corps Coverdell Fellows Program
  - RTCA-SCA/GroundworkUSA Fellow

National Green Infrastructure Certification Program

ID#:2017-00188

- Green Infrastructure Practitioner

Ohio Department of Agriculture Commercial Pesticide Applicator Certification

ID#:130063

- 3A, 4A, 5, CORE

Kentucky Department of Agriculture Pesticide Certification

ID#:44549

- O2

# Savannah Lee Sullivan

## Ex. 6 Personal Privacy (PP)

### EDUCATION

- **Indiana University—O’Neill School of Public and Environmental Affairs**, Bloomington IN *May 2020*  
**Degrees:** Master of Public Affairs (MPA) & Master of Science in Environmental Science (MSES)  
**Concentration:** Environmental Justice & Community Resilience (self-designed)  
**Selected Coursework:** Urban Development and Racial Inequalities, Planning for Climate Change and Resilient Urban Communities, Environmental Justice Seminar, Energy Policy Seminar, Food Systems and Community Resilience, Conservation Planning, Climate Change Impacts on Natural Resources  
**Awards:** MPA-MSES Scholar Award (‘18-’20), Bonser Fellow (‘18-’19), Scott Chilcote Fellow (‘19-’20)
- **Oberlin College**, Oberlin OH *May 2011*  
**Degree:** B.A. Economics, Environmental Studies  
**Awards:** Joyce Gorn Memorial Prize for outstanding off-campus environmental project (‘11), American Public Power Association DEED Scholar (‘09-’11), John F. Oberlin Merit Scholar (‘07-’11), Springman Merit Scholar (‘07-’11)

### SELECTED PROFESSIONAL EXPERIENCE

- **Green Umbrella**—Climate Policy Director, Cincinnati OH *Dec 2020 – Present*
  - Launching and leading Green Umbrella's Climate Policy Impact work, engaging local government staff and elected officials across 10-counties in Greater Cincinnati.
- **City of Cincinnati**—Climate and Community Resilience Analyst, Cincinnati OH *May 2019 – Dec 2020*
  - Co-leading the development and launch of three low-income multifamily energy efficiency programs; establish partnerships, perform technical analysis, manage implementation and metrics/budget dashboard, draft web/media copy
  - Author of \$10K National Oceanic and Atmospheric Administration Urban Heat Island Community Science grant; coordinated campaign to collect data that will support a regional urban heat island map
  - Author of \$10K National League of Cities 2020 Resilience Cohort grant; leading racial and procedural equity projects, and partnership with Groundwork Ohio River Valley’s Climate Safe Neighborhoods program
  - Led research, coordinated 40+ stakeholders, authored submission for Cincinnati’s LEED for Cities Silver certification
  - Led Cincinnati’s participation in the Climate Disclosure Project’s 2020 Sustainable Finance Cohort
- **Environmental Resilience Institute**—Resilience Toolkit Coordinator, Bloomington IN *Jan 2019 – Aug 2020*
  - Worked as part of the Policy and Implementation Team to develop and launch climate change resilience resources relevant to local governments in Indiana and the Midwest.
  - Supported development and management of the Environmental Resilience Institute Toolkit
  - Led pilot project with O’Neill School - coordinated 12 local governments to participate in case studies with graduate-level students; established ongoing partnership between ERI staff and O’Neill professors
  - Led the design of the Beat the Heat program and supported the design of the Hoosier Resilience Index
- **Indiana University**—Graduate Research Assistant, Bloomington IN *Aug 2018 – May 2019*
  - Research Group: Just Energy Transition advised by Dr. Sanya Carley and Dr. David Konisky
  - Co-developed ICMA survey for city/county leadership on impacts from and preparedness for the energy transition
  - Conducted research and outreach to study the presence of and work by frontline sustainability and justice groups in the US, and future opportunities through the Green New Deal to strategically support these groups; published work
- **City of Cincinnati**—Sustainability Fellow, Cincinnati OH *Jan 2018 – Aug 2018*
  - A primary author for the following successful grants/awards: \$2.5M American Cities Climate Challenge Award, USGBC Sustainability and Energy Smart Award, Engaging Local Government Leaders ‘Best Water Project’
  - A primary author for the 2018 Green Cincinnati Plan; created data and chapters with community-driven solutions, etc; created Green Cincinnati Plan metrics dashboard to foster accountability, track goal and partnership progress, and calculate associated greenhouse gas emissions savings



- Service position via Public Allies Cincinnati; service projects completed for The Welcome Project and Co-op Cincy

**Green Umbrella**—Transit Friendly Destinations Program Intern, Cincinnati OH *Dec 2017 – Feb 2018*

- Worked with key partners of the regional Transportation Action Team to develop an implementation plan for the 2018 Transit Friendly Destinations Program; recruited applications and administered the application process

**Rural Action**—Regional Economic Development & Strategy Associate, Athens OH *Nov 2016 – Nov 2017*

- Supported 10-county community wealth assessment using the Community Capitals Framework; literature review, evidence-based research, metrics development, report design, case study preparation
- Worked with local and state-based stakeholders to expand Americorps VISTA programs in Appalachia OH
- Service position via Ohio Community Development Corporation Association Americorps VISTA program

**ACS Green Chemistry Institute**—Research Associate, Washington DC *Sept 2013 – Sept 2015*

- Led research and developed metrics for GCI initiatives; disseminated content through articles, webinars, presentations
- Recruited key stakeholders, created content, led meetings and strategic planning, and fundraised for: NSF Student Workshop, \$10K Green Chemistry Business Plan Competition, Biochemical Technology Leadership Roundtable
- Convened collaborations between Industrial Roundtables and supported technical projects; managed Roundtable finances (>\$500K/year); assisted with marketing and events; completed Standard Operating Procedures
- Crafted content strategy for newsletter editorial calendar, social media, webinars, and other communications; directed daily social media, increasing Twitter followers by over 200% and Facebook by 250% during my tenure
- Served as a technical resource to the stakeholder community and ACS GCI staff; traveled domestically and internationally as spokesperson to present at and participate in meetings, symposia, and conferences

**Abt Associates**—Research Assistant, Bethesda MD *April 2012 – Sept 2013*

- Produced data, analysis, reports, proposals for EPA's Climate Change and Pollution Prevention & Toxics departments
- Outreach coordinator for U.S. EPA Presidential Green Chemistry program: led national chemistry conference presence and evaluated impacts; managed budget; developed outreach materials; recruited program participants
- Managed database of technical, environmental, economic impacts for U.S EPA Presidential Green Chemistry awards
- Provided communications support in website maintenance and design, federal client and industrial partner correspondence, event and meeting logistics, and created summary documents and presentations

**Sierra Club**—Field Organizer Intern, Holyoke MA *Aug 2011 – Jan 2012*

- Recruited, trained, and developed 30+ volunteers for Beyond Coal Campaign; established a core group of community leaders which continued beyond my tenure and won (coal plant is now a solar farm)
- Collaborated with MA State Organizer to implement campaigns across the whole state; managed Western MA office and organized four successful state-wide public action events with 6+ media hits per event
- Performed coalition outreach, media work, direct lobbying, fundraising; developed all materials, tracked effectiveness

**City of Oberlin**—Sustainability Intern, Oberlin OH *Sept 2009 – May 2011*

- Co-author of 'City of Oberlin Climate Action Plan' draft, which revamped energy-portfolio to 85% renewable by 2015
- Organized networks of public officials, businesspeople, community members to discuss sustainability strategies
- Conducted research for 50 municipal sustainability strategies and analysis of greenhouse gas reductions
- Received American Public Power Association DEED Award and Joyce Gorn Memorial Prize for my accomplishments

## SELECTED PUBLICATIONS & PRESENTATIONS

- Even, T. L., Trott, C. D., Gray, E. S., Roncker, J., Basaraba, A., Harrison, T., Petersen, S., **Sullivan, S.**, & Revis, S. (2021). Climate Equity Indicators Report - 2021, City of Cincinnati. The American Cities Climate Challenge Equity Capacity Building Fund, Bloomberg Foundation.
- "Supporting Frontline and Vulnerable Communities in a Green New Deal," Public Administration Review, Pub. 2019
- "2018 Green Cincinnati Plan," City of Cincinnati, Pub. 2018
- "Green Chemistry in Action," Div. of Chem. Ed., 250<sup>th</sup> ACS Ntl. Meeting, Boston MA, 2015
- "Green Chemistry and Energy Production in the US and China," ACS US-China Delegation, Washington DC, 2013

- “Effects of ‘Fracking’ on Energy Markets, Environment, and Public Health in the United States,” Environmental Defense Fund/Ministry of Environmental Protection Symposium, Beijing China, 2013
- “City of Oberlin Climate Action Plan,” City of Oberlin, Pub. 2011

## SKILLS

---

- Software: Python, R, STATA, SAS, ArcGIS, Office Suite, Photoshop, Social Media, Google Analytics
- Others: grant writing, strategic planning, public speaking, facilitation, data analysis/management, technical writing/editing, research design, content development, community/media outreach, social media, event planning

# BUDGET INFORMATION - Non-Construction Programs

OMB Number: 4040-0006  
Expiration Date: 02/28/2022

## SECTION A - BUDGET SUMMARY

Grant Program Function or Activity  (a)	Catalog of Federal Domestic Assistance Number  (b)	Estimated Unobligated Funds		New or Revised Budget		
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)
1. What else is in the air? Connecting air quality to climate advocacy, year 1	66.034	\$	\$	310,675.00	27,557.00	338,232.00
2. What else is in the air? Connecting air quality to climate advocacy, year 2	66.034			171,987.00	6,660.00	178,647.00
3.						
4.						
5. Totals		\$	\$	482,662.00	34,217.00	516,879.00

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# SECTION B - BUDGET CATEGORIES

6. Object Class Categories	GRANT PROGRAM, FUNCTION OR ACTIVITY				Total (5)
	(1)  What else is in the air? Connecting air quality to climate advocacy, year 1	(2)  What else is in the air? Connecting air quality to climate advocacy, year 2	(3)	(4)	
a. Personnel	\$ 36,217.00	\$ 36,217.00	\$	\$	\$ 72,434.00
b. Fringe Benefits	8,276.00	8,276.00			16,552.00
c. Travel	560.00	560.00			1,120.00
d. Equipment	150,000.00	0.00			150,000.00
e. Supplies	6,080.00	30,000.00			36,080.00
f. Contractual	34,509.00	34,509.00			69,018.00
g. Construction	0.00	0.00			0.00
h. Other	46,790.00	46,790.00			93,580.00
i. Total Direct Charges (sum of 6a-6h)	282,432.00	156,352.00			\$ 438,784.00
j. Indirect Charges	28,243.00	15,635.00			\$ 43,878.00
k. TOTALS (sum of 6i and 6j)	\$ 310,675.00	\$ 171,987.00	\$	\$	\$ 482,662.00
7. Program Income	\$ 0.00	\$ 0.00	\$	\$	\$ 0.00

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SECTION C - NON-FEDERAL RESOURCES					
(a) Grant Program		(b) Applicant	(c) State	(d) Other Sources	(e)TOTALS
8.	What else is in the air? Connecting air quality to climate advocacy, year 1	\$ 27,557.00	\$	\$	\$ 27,557.00
9.	What else is in the air? Connecting air quality to climate advocacy, year 2	6,660.00			6,660.00
10.					
11.					
12. TOTAL (sum of lines 8-11)		\$ 34,217.00	\$	\$	\$ 34,217.00

SECTION D - FORECASTED CASH NEEDS					
	Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
13. Federal	\$ 310,676.00	\$ 206,435.00	\$ 34,747.00	\$ 34,747.00	\$ 34,747.00
14. Non-Federal	\$ 27,557.00	22,562.00	1,665.00	1,665.00	1,665.00
15. TOTAL (sum of lines 13 and 14)	\$ 338,233.00	\$ 228,997.00	\$ 36,412.00	\$ 36,412.00	\$ 36,412.00

SECTION E - BUDGET ESTIMATES OF FEDERAL FUNDS NEEDED FOR BALANCE OF THE PROJECT					
(a) Grant Program		FUTURE FUNDING PERIODS (YEARS)			
		(b)First	(c) Second	(d) Third	(e) Fourth
16.	What else is in the air? Connecting air quality to climate advocacy, year 1	\$ 310,675.00	\$	\$	\$
17.	What else is in the air? Connecting air quality to climate advocacy, year 2		171,987.00		
18.					
19.					
20. TOTAL (sum of lines 16 - 19)		\$ 310,675.00	\$ 171,987.00	\$	\$

SECTION F - OTHER BUDGET INFORMATION	
21. Direct Charges:	22. Indirect Charges: Groundwork uses 10% de minimis indirect cost rate
23. Remarks:	

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## Application for Federal Assistance SF-424

**\* 1. Type of Submission:**

- ☐ Preapplication  
☒ Application  
☐ Changed/Corrected Application

**\* 2. Type of Application:**

- ☒ New  
☐ Continuation  
☐ Revision

**\* If Revision, select appropriate letter(s):**

**\* Other (Specify):**

**\* 3. Date Received:**

03/25/2022

**4. Applicant Identifier:**

**5a. Federal Entity Identifier:**

**5b. Federal Award Identifier:**

**State Use Only:**

**6. Date Received by State:**

**7. State Application Identifier:**

**8. APPLICANT INFORMATION:**

**\* a. Legal Name:**

Groundwork Ohio River Valley

**\* b. Employer/Taxpayer Identification Number (EIN/TIN):**

842991804

**\* c. Organizational DUNS:**

1171945360000

**d. Address:**

**\* Street1:**

3696 Kendall Avenue

**Street2:**

**\* City:**

Cincinnati

**County/Parish:**

Hamilton

**\* State:**

OH: Ohio

**Province:**

**\* Country:**

USA: UNITED STATES

**\* Zip / Postal Code:**

45208-1138

**e. Organizational Unit:**

**Department Name:**

**Division Name:**

**f. Name and contact information of person to be contacted on matters involving this application:**

**Prefix:**

Mr.

**\* First Name:**

Tanner

**Middle Name:**

**\* Last Name:**

Yess

**Suffix:**

**Title:**

Co-Executive Director

**Organizational Affiliation:**

**\* Telephone Number:**

513-301-0310

**Fax Number:**

**\* Email:**

tyess@groundworkorv.org

## Application for Federal Assistance SF-424

### \* 9. Type of Applicant 1: Select Applicant Type:

M: Nonprofit with 501C3 IRS Status (Other than Institution of Higher Education)

Type of Applicant 2: Select Applicant Type:

Type of Applicant 3: Select Applicant Type:

\* Other (specify):

### \* 10. Name of Federal Agency:

Environmental Protection Agency

### 11. Catalog of Federal Domestic Assistance Number:

66.034

CFDA Title:

Surveys, Studies, Research, Investigations, Demonstrations, and Special Purpose Activities  
Relating to the Clean Air Act

### \* 12. Funding Opportunity Number:

EPA-OAR-OAQPS-22-01

\* Title:

Enhanced Air Quality Monitoring for Communities

### 13. Competition Identification Number:

Title:

### 14. Areas Affected by Project (Cities, Counties, States, etc.):

1234-Areas Affected.GWORV.docx.pdf

Add Attachment

Delete Attachment

View Attachment

### \* 15. Descriptive Title of Applicant's Project:

What else is in the air? Connecting air quality to citizen climate advocacy & action

Attach supporting documents as specified in agency instructions.

Add Attachments

Delete Attachments

View Attachments

**Application for Federal Assistance SF-424****16. Congressional Districts Of:**\* a. Applicant \* b. Program/Project 

Attach an additional list of Program/Project Congressional Districts if needed.

**17. Proposed Project:**\* a. Start Date: \* b. End Date: **18. Estimated Funding (\$):**

* a. Federal	<input type="text" value="482,662.00"/>
* b. Applicant	<input type="text" value="34,217.00"/>
* c. State	<input type="text" value="0.00"/>
* d. Local	<input type="text" value="0.00"/>
* e. Other	<input type="text" value="0.00"/>
* f. Program Income	<input type="text" value="0.00"/>
* g. TOTAL	<input type="text" value="516,879.00"/>

**\* 19. Is Application Subject to Review By State Under Executive Order 12372 Process?**

- ☐ a. This application was made available to the State under the Executive Order 12372 Process for review on
- ☐ b. Program is subject to E.O. 12372 but has not been selected by the State for review.
- ☒ c. Program is not covered by E.O. 12372.

**\* 20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes," provide explanation in attachment.)**☐ Yes ☒ No

If "Yes", provide explanation and attach

**21. \*By signing this application, I certify (1) to the statements contained in the list of certifications\*\* and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances\*\* and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001)**

☒ \*\* I AGREE

\*\* The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.

**Authorized Representative:**

Prefix:  \* First Name:

Middle Name:

\* Last Name:

Suffix:

\* Title: \* Telephone Number:  Fax Number: \* Email: \* Signature of Authorized Representative:  \* Date Signed:





Department of the Treasury  
Internal Revenue Service  
Tax Exempt and Government Entities  
PO Box 2508  
Cincinnati, OH 45201

Date: **MAY 15 2020**

GROUNDWORK OHIO RIVER VALLEY INC  
3696 KENDALL AVENUE  
CINCINNATI, OH 45208

Employer ID number:  
84-2991804  
Person to contact / ID number:  
Ginger Jones  
ID# 0203152  
Contact telephone number:  
1-877-829-5500  
Form 990/990-EZ/990-N required:  
Yes

Dear Applicant:

In your letter dated January 9, 2020, you requested reclassification of foundation status as a private foundation.

Our records indicate you are classified as a private foundation. You claim you're erroneously classified as a private foundation and are requesting correction of the error.

Based on the information you provided, we determined you meet the requirements for classification as a public charity described in IRC Sections 509(a)(1) and 170(b)(1)(A)(vi) and updated our records.

Because your tax-exempt status wasn't under consideration, you continue to be classified as an organization exempt from federal income tax under IRC Section 501(c)(3).

This letter could help resolve questions on your foundation status. Keep it for your records.

Sincerely,

Stephen A. Martin  
Director, Exempt Organizations  
Rulings and Agreements

**Letter 4425 (Rev. 1-2016)**  
Catalog Number 52256W

INTERNAL REVENUE SERVICE  
P. O. BOX 2508  
CINCINNATI, OH 45201

DEPARTMENT OF THE TREASURY

Date: DEC 26 2019

GROUNDWORK OHIO RIVER VALLEY INC  
3696 KENDALL AVE  
CINCINNATI, OH 45208

Employer Identification Number:  
84-2991804

DLN:  
29053305341029

Contact Person:  
CUSTOMER SERVICE ID# 31954

Contact Telephone Number:  
(877) 829-5500

Accounting Period Ending:  
December 31

Form 990-PF Required:  
Yes

Effective Date of Exemption:  
September 10, 2019

Addendum Applies:  
No

Dear Applicant:

We're pleased to tell you we determined you're exempt from federal income tax under Internal Revenue Code (IRC) Section 501(c)(3). Donors can deduct contributions they make to you under IRC Section 170. You're also qualified to receive tax deductible bequests, devises, transfers or gifts under Section 2055, 2106, or 2522. This letter could help resolve questions on your exempt status. Please keep it for your records.

Organizations exempt under IRC Section 501(c)(3) are further classified as either public charities or private foundations. We determined you're a private foundation within the meaning of Section 509(a).

You're required to file Form 990-PF, Return of Private Foundation or Section 4947(a)(1) Trust Treated as Private Foundation, annually, whether or not you have income or activity during the year. If you don't file a required return or notice for three consecutive years, your exempt status will be automatically revoked.

If we indicated at the top of this letter that an addendum applies, the enclosed addendum is an integral part of this letter.

For important information about your responsibilities as a tax-exempt organization, go to [www.irs.gov/charities](http://www.irs.gov/charities). Enter "4221-PF" in the search bar to view Publication 4221-PF, Compliance Guide for 501(c)(3) Private Foundations, which describes your recordkeeping, reporting, and disclosure requirements.

Letter 1076

GROUNDWORK OHIO RIVER VALLEY INC

Sincerely,

*Stephen A. Martin*

Director, Exempt Organizations  
Rulings and Agreements

Letter 1076



March 25, 2022

United States Environmental Protection Agency  
Enhanced Air Quality Monitoring for Communities

Dear Selection Committee,

I am writing to offer my enthusiastic support for Groundwork Ohio River Valley's application to the Enhanced Air Quality Monitoring for Communities Grants Program. If funded, I will advise the team on methods for citizen science data collection. In addition, I will participate in training local youth and neighborhood partners on citizen science aspects of the project. I currently partner with Groundwork on a community-engaged research project examining neighborhood levels of air pollution using low-cost sensors and on Groundwork's recent EPA Environmental Justice Small Grant. We will leverage these ongoing projects, including the methods and data collection processes, to successfully complete this proposal.

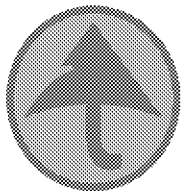
My experience as an environmental epidemiologist with a research focus on the health effects of air pollution exposure, including respiratory and neurodevelopmental outcomes in childhood, make me well-suited to participate with Groundwork ORV on this project. I have used multiple approaches to characterize air pollution exposures, including stationary monitoring, geographic-information systems and modeling, and most recently, low-cost and personal air monitors. My research also includes studies of adolescents' personal exposure to fine and ultrafine particulate matter using personal monitoring devices and I am engaged with study participants to develop individual-report back materials for their personal air pollution levels. In addition, I have led and participated in multiple community-based participatory research (CBPR) projects, including a study of anti-idling campaigns on air quality at schools and a community-resident led study of urban heat islands and air pollution exposures using low-cost air sensors. In addition to research, I am dedicated to teaching and training both students and community members. I serve as the Director of the Translational Workforce Development core of our CTSA center and co-Director of the graduate programs in Clinical and Translational Research at the University of Cincinnati. As part of these roles, I enjoy engaging with community members to share research findings relevant to their communities.

If this project were to be selected for funding, youth and community members from the target environmental justice communities will be the main implementation arm for the project goals and objectives. This will allow for a better understanding of the different air quality impacts that their local communities are subjected to. This data will be used to then pursue funding for air quality mitigation efforts and other green infrastructure projects desired by residents and members of the community coalition, the Equity Advisory Group.

I hope you will consider funding this amazing opportunity for City of Cincinnati residents.

Sincerely,

Patrick H. Ryan, PhD, MS, FACE  
Professor of Pediatrics and Environmental & Public Health Sciences  
University of Cincinnati | College of Medicine  
Division of Biostatistics and Epidemiology  
Cincinnati Children's Hospital Medical Center



# Green Umbrella

## REGIONAL SUSTAINABILITY ALLIANCE

PO Box 14270  
Cincinnati, OH 45250  
513.541.1538  
[www.GreenUmbrella.org](http://www.GreenUmbrella.org)

### Board of Trustees

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*Donovan Energy*

Byron Stallworth, Vice-President  
*Inclusion Building Solutions*

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Governments*

Derek Peebles  
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Association*

Len Sauers  
*Xavier University*

Bill Scheyer

Sophia Turczynewycz  
*Guide Us Green*

Carla Walker  
*think BIG Strategies, LLC*

Julie Zimmerman  
*Management Partners*

### Executive Director

Ryan Mooney-Bullock

Re: Letter of Commitment

March 25th, 2022

Dear Enhanced Air Quality Monitoring for Communities Review Committee,

I am writing to offer my support for Groundwork Ohio River Valley's application to the Enhanced Air Quality Monitoring for Communities Grants Program. We see this funding opportunity as a key connector between the work we are each doing to raise awareness about climate and resilience hazards and planning over an extremely diverse 10 county region, and to incorporate youth and frontline community voice into ongoing and upcoming planning efforts. Green Umbrella and Groundwork Ohio River Valley have an established and tested cooperative partnership thanks to our collaborations over the last few years. We have existing modes of communication and joint facilitation strategies that have been honed through practice. Green Umbrella is committed to serving as a sub-awardee on this project, helping to facilitate the implementation of the Climate Safe Neighborhoods Climate Advisory Groups.

We commit to dedicating the staff time indicated in the subaward budget and to participating in all reporting, evaluation, and dissemination activities.

Please reach out if you have any questions.

Sincerely,

Ryan Mooney-Bullock  
Executive Director  
[ryan@greenumbrella.org](mailto:ryan@greenumbrella.org)

The Mission of Green Umbrella

We lead collaboration, incubate ideas and catalyze solutions that create a resilient, sustainable region for all.

ED\_013931A\_00001849-00002

## Data Bloom Letter of Commitment

3/25/2022

**Funding Opportunity Title:** What else is in the air? Connecting air quality to citizen climate advocacy & action

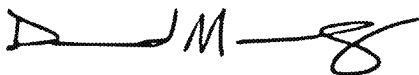
**Funding Opportunity Number:** EPA-OAR-OAQPS-22-01

Dear Enhanced Air Quality Monitoring for Communities Review Committee,

On behalf of Data Bloom, I am excited to provide this letter expressing our organization's commitment to helping Groundwork Ohio River Valley carry out their Air Quality Monitoring Program activities. To support the successful outcome of the proposed goals, objectives, and outcomes, Data Bloom will contribute the following resources:

- Quantitative data collection including survey questionnaires administered before and after CAG meetings
- 10 post-CAG focus groups (2 per neighborhood) conducted with 4-5 residents each
- Develop data tracking systems to track key process evaluation indicators
- Evaluate Green Teams and professional development modules through pre-post and follow up surveys
- Perform formative evaluation to continually improve content, meetings, and other resources and deliverables.
- Create reports to summarize key evaluation findings
- Designating a representative to serve as a data advisor, attending meetings as needed, guiding program deployment, reviewing data systems, providing suggestions for refining, strengthening, and improving the projects as appropriate.
- Provide maintenance to systems and advise beyond the grant-funded project period to support sustainability.

Sincerely,



**David Mackey**

*Partner/Head of Operations*

**Data Bloom Consulting LLC**

104 Fieldstone Dr.

Cincinnati OH 45174

613-600-6755

# KEEP NORWOOD COOL!!!

March 14th, 2022  
United States Environmental Protection Agency  
Enhanced Air Quality Monitoring for Communities

Dear Selection Committee,

I'm writing to express my organization's commitment for the application for Groundwork Ohio River Valley's Enhanced Air Quality Monitoring for Communities Grants Program. If funded, Keep Norwood Cool!!!(KNC) will be collaborating with Groundwork by identifying locations for air sensors, working with the Norwood Health Department, Norwood Public Schools, civic groups and businesses to gain permissions for sensor installation, and conducting outreach to recruit residents for the Climate Advisory Group.

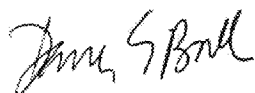
Keep Norwood Cool has over 75 volunteer citizen scientists willing to improve air quality using precise and actionable data. As Norwood continues to renew infrastructure, creating a resilient and healthy environment for all citizens is a priority. This project will provide tools to take action and learn about key areas of activation, and build upon our previous work. Our engagement of 80 students in summer programming proves that Norwood's youth are ready for more climate programming which is localized.

Keep Norwood Cool is a fiscal partner with the Norwood Health Department and Community Partner for Participatory Mapping to Keep Norwood Cool, a grant which this project would complete by measuring our underserved wards.

If this project were to be selected for funding, youth and community members from the target environmental justice communities will be the main implementation arm for the project goals and objectives. This will allow for a better understanding of the different air quality impacts that their local communities are subjected to. This data will be used to then pursue funding for air quality mitigation efforts and other green infrastructure projects desired by residents and members of the community coalition, the Equity Advisory Group.

I hope you will consider funding this amazing opportunity for Greater Cincinnati and Norwood residents.

Sincerely,



Dana Boll

## What else is in the air? Connecting air quality to citizen climate advocacy & action

### Applicant Information:

Groundwork Ohio River Valley

Ex. 6 Personal Privacy (PP)

Tanner Yess or Alan Edwards, Co-Directors

[tyess@groundworkorv.org](mailto:tyess@groundworkorv.org)  
[aedwards@groundworkorv.org](mailto:aedwards@groundworkorv.org)

513-501-0310

### About Groundwork Ohio River Valley

Groundwork is where Justice and the Environment meet. We are the only environmental nonprofit in Greater Cincinnati with leaders of color at every level of staff and board. We link the environment to quality-of-life initiatives through engagement, education, and employment. Our mission is to bring about regeneration, improvement, and management of the environment by developing community-based partnerships, empowering people and organizations to promote environmental, economic, and social well-being.

### Primary Project Locations:

Avondale, Cincinnati, Ohio, 45229 & 45220  
Bond Hill, Cincinnati, Ohio, 45237  
English Woods, Cincinnati, Ohio, 45225  
Millvale, Cincinnati, Ohio, 45225 & 45223  
North Fairmount, Cincinnati, Ohio, 45225

Norwood, Ohio, 45212  
Roselawn, Cincinnati, Ohio, 45237  
South Cumminsville, Cincinnati, Ohio, 45223  
South Fairmount, Cincinnati, Ohio, 45214  
Winton Hills, Cincinnati, Ohio, 45232

### Partner Organizations

**Children's Hospital:** Dr. Patrick Ryan

**Ohio Kentucky Indiana (OKI) Regional Council of Governments:** Margaret Minzner

**Keep Norwood Cool!!!:** Dana Boll

**Green Umbrella:** Ryan Mooney-Bullock

**DataBloom:** David Mackey

**DUNS Number:** 117194536

**Set Aside:** Community-Based Set-Aside

**Air Pollutant Scope:** Carbon Monoxide, Nitrogen Dioxide, Ozone, Sulfur Dioxide, Particle Pollution (PM<sub>2.5</sub>, PM<sub>10</sub>, Ultrafine)

**Project Period:** 1/1/2023 - 12/31/2024

### Budget Summary:

#### EPA Funding Requested

\$482,662

#### Total Project Cost

\$516,879

**Project Description:** This project aims to expand Groundwork Ohio River Valley's current air quality education, training, and monitoring programming for 320 youth employees and 50 neighborhood residents on Air Quality Monitoring techniques and air pollution health education. This community-driven monitoring project compiles neighborhood and individual-level air toxin exposure rates and uses this data to advocate for mitigation efforts. Funding from this grant would expand Groundwork's newly established air quality monitoring program by investing in the technology necessary for effective air quality monitoring and compensating community members for their time.



## **1. Project Summary & Approach**

### **1a. Overall Project**

This project aims to expand Groundwork Ohio River Valley's (Groundwork) current air quality education, training, and monitoring programming for our Green Team Youth Employee Workforce as well as residents participating in our Climate Safe Neighborhood Equity Advisory Groups. This community-driven monitoring project will compile neighborhood and individual-level air toxin exposure rates and use this data to advocate for mitigation efforts. This grant will allow us to train **320 youth employees** and **50 neighborhood residents** on Air Quality Monitoring techniques and air pollution health education. Additionally, Groundwork will facilitate citizen-driven air quality monitoring efforts in two neighborhoods with a high risk of heart disease, cancer-related to air pollution, asthma, and high quantities of PM2.5 and Diesel Particulate Matter. Funding from this grant would expand Groundwork's newly established air quality monitoring program by investing in the technology necessary for effective air quality monitoring and compensating community members for their time. These factors will increase Groundwork's monitoring program's capacity and increase the number of neighborhoods this program can operate in. Furthermore, **year-long air quality monitoring reports** will be incorporated into neighborhood resilience plans which are formally adopted by the city and community councils.

Our project not only seeks to address these problems through air quality monitoring education and community awareness, but by engagement and action. Youth and community members will be the main implementation arm for the project goals and objectives, allowing for a better understanding of the different environmental impacts that their local communities are subjected to. The data collected through this program will be used to then pursue funding for air quality mitigation efforts and other green infrastructure projects desired by residents and members of the community coalition, and the Equity Advisory Group. Additionally, by prioritizing Youth Education and Workforce Training for Green Jobs, Groundwork works with neighborhood schools to address other social indicators that decrease neighborhoods' climate resiliency, such as low high school education attainment percentages.

Groundwork's Climate Safe Neighborhoods Partnership (CSN) has changed how climate and equity are planned for in the region. As part of CSN, residents from frontline communities are leading Climate Advisory Groups (CAG) in neighborhoods across the city. The CAGs, which provide compensation, create neighborhood-level resiliency plans and use existing environmental and socio-economic data to justify projects such as vacant lot transformation, tree canopy increases, and policy recommendations to local government. This proposal would allow for Groundwork's air quality monitoring program to be part of the CAG package. Communities will build knowledge of environmental conditions and monitor air quality, justifying the implementation of green projects. CAG neighborhoods that include air quality monitoring will allow us to create a baseline for community air quality and risk. We will also be able to measure the impact of CSN mitigation efforts (tree planting and green infrastructure projects) implemented by residents and our youth green workforce. Community-led air quality monitoring has been piloted in our first CSN neighborhood, Lower Price Hill, thanks to an EPA Environmental Justice small grant. We hope to use this model to expand regionally.

### **1b. Project Significance**

As the climate changes, Greater Cincinnati will become vulnerable to more frequent and extreme weather, heat and humidity conditions, impaired air quality, and flooding. Changing weather patterns coupled with aging stormwater infrastructure, for example, has already led to costly damages—in 2017 alone, Cincinnati experienced three 100-year rain events, significant landslides, and \$50M in damages. Higher temperatures and air stagnation are increasing ground-level ozone smog, a problem exacerbated by our river valley topography. Ohio has the 41st worst average exposure of the general public to particulate matter, and ranks 47th when estimating human health-related risk from exposure to toxic chemicals. With the 32nd worst ozone pollution in the nation and greater allergy and asthma risks from extended pollen-production seasons, Greater Cincinnati is at risk of worsening air quality conditions more than most. Like much of the nation, we are exposed and sensitive to present and future climate health

impacts. According to Trust for America's Health, Ohio is one of six states that is considered more vulnerable and least prepared when assessing the health effects of climate change. For example, health departments in Ohio receive less funding for emergency preparedness than nearly every other state and DC. Norwood, an enclave within Cincinnati, faces these same challenges.

These statistics, however, are only one piece of a much bigger picture. Frontline communities across the country, particularly the historically underserved, are currently on a path to bear an undue burden of climate change. In Greater Cincinnati, these communities are often communities of color and/or low-income neighborhoods suffering more adverse health effects related to air pollution. These climate challenges for frontline communities will worsen as the Cincinnati region expands in population. As Cincinnati is a part of the fastest-growing Midwest economy, it is clear the time for climate action in our region is now. This project therefore aims to not only address the immediate needs of frontline Cincinnati communities in relation to air quality, but also nurture and advocate for long-term environmental stewardship and data collection at the individual and collective levels across our city.

Communities of color and low-income residents are key audiences because they are the communities in Greater Cincinnati most vulnerable to the region's primary climate impacts: poor air quality, extreme temperature events, flooding, and sewer overflows. We understand from efforts undertaken by the Center for Closing the Health Gap and other partners, that Black, Latinx, Appalachian, and low-income adults in our region report worse health than white and higher income adults. We even know that Cincinnati is a city where life expectancy in one zip code may be 25 years less than in a neighboring zip code, with communities of color suffering the most. With more dangerous heat days as the climate changes, those same neighborhoods will experience higher rates of asthma, heat illnesses, and contamination from flooding. With policy decisions like redlining, cementing disinvestment of communities of color and white-dominant power structures in governmental institutions ensuring some voices are heard more than others, it is crucial that environmental literacy prioritizes racial equity and that residents of color are centered in climate planning and solutions.

## **2. Community Involvement**

### **2a. Community Partnerships**

#### ***Cincinnati Children's Hospital Medical Center***

Children's Hospital's research has used geographic information systems and personal monitoring devices to characterize air pollution exposures in the Cincinnati, OH region. We have applied these exposure metrics to identify associated health effects, including childhood wheezing, asthma incidence, symptoms of anxiety and depression in adolescents, and the exacerbation of mental health disorders during childhood. Children's Hospital will collaborate with Groundwork by training community members and Green Team employees on health risks associated with air quality, as well as facilitate an internship with the University of Cincinnati to provide support in report writing and data analytics.

#### ***Ohio Kentucky Indiana Regional Council of Governments***

As part of their CMAQ (Congestion Mitigation and Air Quality) program, OKI currently tracks the following pollutants in an effort to decrease vehicle emissions: ozone, particulate matter (fine and coarse particulates), carbon monoxide, sulfur dioxide, nitrogen dioxide, and lead. Given the organization's familiarity with EPA standards, they will be collaborating with this project by training community members and Green Team employees on health risks associated with air quality as well as mitigation techniques, analyzing data once collected, and disseminating the online dashboard.

#### ***Keep Norwood Cool!!***

Keep Norwood Cool!! (KNC) is dedicated to reducing the heat and air pollution of microclimates in Norwood. Through working with Norwood Schools and volunteer residents, KNC has gathered data on heat and air pollution throughout the neighborhood. This data is used to identify areas for cooling improvements to prevent high heat microclimates, such as tree planting. KNC hosts events for tree

plantings and educational charrettes, for residents to learn more about heat islands and be part of the solution.

### **Green Umbrella**

Green Umbrella (GU) is Greater Cincinnati's regional sustainability hub. For over 20 years it has been a connector of ideas, organizations and resources to advance collaborative solutions to wicked problems at the intersection of people and environment. GU compliments Groundwork with its work engaging decision makers around systems-level environmental change. GU's Climate Policy work supports local government staff and elected officials to embrace strategies to address climate and equity action, and to make climate planning available to all communities throughout the tri-state. By connecting sustainability champions across jurisdictions and sectors, GU empowers them to move further faster..

### **DataBloom**

Data Bloom is a Cincinnati-based organization that specializes in data services for the social good sector, with a focus on evaluation, strategy, and actionable data. Data Bloom has conducted long-term organization and program evaluations, and specializes in the creation of data collection tools, data organization, and data reporting that is utilization-focused. Data Bloom has the capacity to effectively communicate complex data to diverse audiences using visualizations, writing, and presentations.

## **2b. Community Engagement**

Building on the momentum established from successfully implementing the Climate Safe Neighborhoods program alongside residents in the Cincinnati neighborhoods of Lower Price Hill, Bond Hill, and Roselawn from 2020-2021, Groundwork hopes to expand the CSN program regionally through this program. Groundwork and Green Umbrella will execute the CSN program using multiple engagement tools, with an intensive focus group model—the CAG—at the center. Members of the CAG will learn about specific climate impacts in their communities, how and why these impacts disproportionately affect underserved populations, strategies to mitigate neighborhood-level climate harm, and have the opportunity to connect with city officials and stakeholders. CAG cohorts will complete a variety of work with the support and leadership of Groundwork staff, including attending biweekly meetings, surveying their respective neighbors, finding resources for potential climate adaptation projects, and completing assigned readings. Each CAGs' findings will culminate in the creation of a single neighborhood-level resiliency plan and action toolkit, which will be presented to neighbors, stakeholders, and government officials at a series of community-based workshops (for example, see the Bond Hill/Roselawn showcase). These plans will provide a community path towards climate preparedness that reflects the vision of the residents, and ultimately will help to inform local climate plans as well as the updated Green Cincinnati Plan, which has an expected publication in 2023.

In addition to providing their communities with a tangible action plan to combat frontline climate impacts, CAG members also gain experience, confidence, and tools in becoming leaders for climate justice in their communities. A key component of resiliency building is equipping community members with environmental literacy. By providing these active learning experiences in the Climate Safe program, residents are able to make decisions based not only on their lived experiences and observations, but also on evidence-based and data-driven information. The CSN process therefore not only addresses immediate climate solutions, but provides the foundation for a sustainable climate justice movement per community.

## **2c. Community-Based Organization Set-Aside**

Groundwork is the only environmental nonprofit in Cincinnati with leadership of color at all levels of Staff and Board, we share life-experience and live in the communities that we work with. Groundwork houses mapping and data experts, as well as staff who work directly with environmental justice communities. Groundwork staff have been living and working in the Mill Creek corridor since 2013. This area is home to most of Cincinnati's heavy industry, minority residents, and/or low-income

residents- historic environmental justice communities. Over the past six years, we have proved and expanded our programs based on these challenges. In 2019, we started Groundwork Ohio River Valley. Since then, we have responded to community priorities by creating one of the nation's largest paid youth green workforce programs, led the city's first neighborhood-level climate resilience planning process in Lower Price Hill's community council, and established close bonds with the neighborhood community learning center and school.

Over the past three years, Groundwork has become the region's leading voice for local climate resilience and equity. We have grown during the pandemic due to increased community need for Groundwork programming. Community trust drives our success and is built by living in the communities we work, paying residents to better their neighborhoods by increasing capacity to advocate at city hall for environmental initiatives that impact their quality-of-life.

### **3. Environmental Justice & Underserved Communities**

Communities that are involved in this proposed grant are primarily located west of the industrial Mill Creek and I-75 corridor and have a long legacy of industrialization. With Cincinnati's life expectancy averaging. Communities that will benefit from this grant and their unique environmental health hazards, and their demographics are described in depth below.

#### *Norwood, Ohio*

Norwood is an enclave within Cincinnati, bordered by I-71 and crossed by the Norwood Lateral Expressway. It is home to 19,043 people, 20.6% of whom are in poverty (ACS, 2020). The EPA's EJ Screening tool indicates that the census block groups within Norwood are within the 90 and 99th percentile when compared to the rest of the state in categories related to Diesel Particulate Matter, PM2.5, Cancer Risk from Air Toxins, and Respiratory Hazards (2020). With an industrial legacy, Norwood is also home to 17 air pollution facilities that are regulated by the EPA for air pollution (EJScreen, 2020). Norwood's tree canopy is just over 21%, and residents have a relatively low life expectancy at 71.2 years.

#### *Beekman Corridor, Cincinnati, Ohio*

The Beekman Corridor (BC) runs adjacent to the industrial Mill Creek, and consists of five of Cincinnati's most climate-vulnerable neighborhoods: South Cumminsville, Millvale, English Woods, North Fairmount, and South Fairmount. Home to 7,500 Cincinnatians, the population of these historically industrial and underserved neighborhoods averages over 67% Black or African American in the 2020 Census. There is high concentration of poverty in census tracts within these neighborhoods, with an average of 39% of residents living below the federal poverty line in census block groups within these neighborhoods and an average median household income of \$27,128 (ACS, 2019). The EPA's EJ Screening tool indicates that the census block groups making up the BC are within the 95 and 99th percentile when compared to the rest of the state in categories related to Diesel Particulate Matter, PM2.5, Cancer Risk from Air Toxins, and Respiratory Hazards (EJ Screen, 2020). Life expectancy of residents is the lowest in Cincinnati, with South Fairmount reaching 66.1 years.

#### *Avondale, Cincinnati, Ohio*

As urban renewal displaced Black families in downtown central Cincinnati throughout the 1950's, many residents relocated to Avondale. The neighborhood residents, nearly 80% of whom identify as Black, also experience high exposure to PM2.5 (9.78) and high levels of both Ozone Concentration (46.80) and Diesel Particulate in Air (1.12). Residents have minimal opportunities for current climate change mitigation, as nearly 48% of residents are living in poverty. The neighborhood has low tree canopy coverage (18%), particularly in comparison to the 45% of impervious surfaces that make up the it's land cover. Additionally, Avondale has extremely high exposure to Potentially Toxic Industrial and/or Hazardous Waste Sites. Currently, 14% of residents have been diagnosed with asthma, and the average life expectancy of Avondale residents is 68.9 years - one of the lowest life expectancies across the city.

#### *Roselawn, Cincinnati, Ohio*

Roselawn, located in the north-central region of Cincinnati along I-75, is a predominantly Black neighborhood (85.9), and has one of the city's higher percentage of older adult residents. Residents face extremely high levels of Pm2.5 in the Air (9.81) and Ozone concentration (46.93). Roselawn has one of the city's lowest tree canopy coverage (7.2%), and its residents have extremely high proximity to Superfund, Toxic Industrial, and Hazardous Waste Treatment and Disposal sites.

#### *Bond Hill, Cincinnati, Ohio*

Bond Hill, with its central location within Cincinnati, Ohio, has been deeply impacted by not only the Mill Creek Valley's industrial legacy, but also by the popularization of automobiles and subsequent highway development. Bordered by both I-75 and the Norwood Lateral, 13% of Bond Hill residents struggle with asthma, high exposure to PM2.5 concentration (9.81), Ozone Concentration (46.9 ppb), and Diesel Particulate in the Air (0.87 ug/m3). Over 96% of Bond Hill residents identify as Black, with 19% of residents living in poverty. Bond Hill has extremely low tree canopy coverage (6.1%), with nearly 48% of land cover being impervious surfaces.

### **4. Environmental Results - Outcomes, Outputs, and Performance Measures**

#### **4a. Expected Project Outputs and Outcomes**

##### *Outputs*

- 50 residents and 320 Green team employees will be trained on air quality monitoring and pollution health hazards.
- 12 months of data evaluating rates of exposure in residential areas will be compiled, analyzed, and be made available for public use in a publicly available online data dashboard intended to disseminate findings.
- An additional report of findings will be compiled in partnership with DataBloom.

##### *Outcomes:*

###### *Short Term:*

- Increased awareness of pollution hazards in residential neighborhoods through program outreach, youth, and resident recruitment, and community council communications.
- Inclusion of residents in data collection, using that data to inform neighborhood climate resilience planning.
- Increased engagement in green infrastructure advocacy and air pollution mitigation strategies through certification and job training.

###### *Intermediate*

- Develop a dashboard of citizen collected data to inform government decision-making and advocacy efforts.
- Establishment of programs that assist in residential air pollution mitigation
  - By collecting individual pollutant exposure data, residents in specific areas can be targeted for pollutant relief programs, incorporated into Climate Safe Neighborhoods.
- Increased effort from local officials to mitigate air pollution caused by industries along the Mill Creek.

###### *Long-Term*

- Decrease in air pollution measures & general respiratory illness rates.
- Data and monitoring efforts are adopted by city government as part of the Green Cincinnati Plan, helping to dictate policy.

#### **4b. Performance Measures & Plan**

Performance measurement will be part of the monitoring program design with local experts and community members so that goals are both academic and achievable. Program tracking includes recruitment of 50 community members and 320 youth employees, a year of monitoring, and post-monitoring reporting and communication to influence policy and future projects. Education and training measurements include the number of community members involved, as well as pre and post-surveys evaluating the retained knowledge of air quality monitoring and the importance of using citizen-science techniques in the planning process. It is our organization's hope that program participants will utilize this data to advocate for green infrastructure projects and pollution mitigation efforts in their neighborhoods. Groundwork staff has experience developing EPA QAPPs which will aid in program and metrics capture.

#### 4c. Timeline & Milestones

Beekman Corridor and Roselawn/Bondhill neighborhoods will already have been trained and resiliency plans made. Installation of the monitoring program and equipment by residents will be required by those neighborhoods, but no training is required.

Program Activities	2023												2024											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Purchase Materials																								
QAPP Development																								
AQM: Beekman Corridor																								
AQM: Roselawn & Bond Hill																								
Avondale CAG: Recruitment																								
Avondale CAG: Resiliency Planning Sessions																								
Avondale CAG: AQM																								
Norwood CAG: Recruitment																								
Norwood CAG: Resiliency Planning Sessions																								
Norwood CAG: AQM																								
Air Pollution Hazard & Monitoring Training																								
Data Analysis																								
Report Writing																								
Interactive Dashboard Built																								
Interactive Dashboard Released																								

## 5. Quality Assurance Statement

Alan Edwards, Groundwork's Co-Executive Director and operations manager, will be responsible for quality assurance and quality control. Alan has run many citizen science programs and data collection initiatives. Alan will also lead the creation of this program's QAPP which will ensure data quality.

## 6. Programmatic Capability & Past Performance

### 6a. Past Performance

Groundwork is currently running an EPA EJ Small Grant number: 00E03094. This proposal represents an expansion of that program to multiple neighborhoods and jurisdictions across the region. Groundwork is uniquely qualified to execute this proposal as it builds on current programming and supports community initiatives identified by residents. We have been identified by city government as the community partner tasked with bringing equity to the Green Cincinnati plan (a city-adopted plan). We have already piloted Community Advisory Groups and are ready to expand programming with community monitoring plans

that will boost resident-led advocacy. Groundwork has successfully reported on and performed through the following past agreements:

- Green Watershed Restoration Program - City of Cincinnati
- Climate Safe Neighborhoods Partnership grant program - Groundwork USA
- Green Youth Workforce Development Program - City of Cincinnati

## **6b. Reporting Requirements**

Groundwork has consistently submitted all final technical reports under grant agreements in an adequate and timely manner. We have reported on all progress towards achieving the expected outputs and outcomes under such agreements.

## **6c. Staff Expertise**

Groundwork full staff list here

*Tanner Yess*, Co-Executive Director of Groundwork, specializes in pairing applied fieldwork with community development, emphasizing green jobs in urban areas. He has served in the U.S. Peace Corps; helped to create Greater Cincinnati's TriState Trails Coalition; received a Master's degree in environmental planning; published several watershed articles; and is a National Park Service Ambassador.

*Alan Edwards*, Co-Executive Director of Groundwork, has over 10 years of environmental training and education experience. Alan is National Green Infrastructure Certification Program certified, can deliver numerous trainings, holds a Masters of Community Planning and is a former Peace Corps volunteer where he concentrated on leading agroforestry projects. Alan will provide training oversight project sustainability.

*Sophie Revis*, Groundwork's Climate Resilience Director, is a graduate of the University of Cincinnati with a bachelors in Environmental Studies. Her background includes AmeriCorps NCCC service, National Park Service Mountains-to-Main street Ambassadorship, and leading Groundwork's Climate Safe Neighborhoods program.

*Kelsey Hawkins-Johnson*, Groundwork's Community Outreach Coordinator, has a degree in Anthropology from Eastern Michigan University and currently assists with the Climate Safe Neighborhoods program. Previously Kelsey worked with the City of Cincinnati's Office of Environment and Sustainability on community engagement and energy efforts.

*Sarah Morgan*, Groundwork's GIS manager, manages fieldwork mapping, data collection, and assists with the Climate Safe Neighborhoods program. She brings 10+ years experience and holds Master's degrees in Social Work and Community Planning. Her background includes an urban canopy AmeriCorps VISTA and food insecurity research with University of Louisville's Trager Research Institute.

## **7. Budget Detail**

**Personnel and Fringe:** Tanner Yess, Executive Director, will spend 1000 hours on the project with (\$26,250 in personnel and \$5,870 in fringe). Fringe rate is 22.37% of gross salary and includes, workers compensation, unemployment, meals, a health stipend, paid time off, vacation, and payroll services. Sophie Revis, Program Director, will spend 1000 hours on the project (\$20,840 in personnel and \$5,120 in fringe). Jaeydah Edwards, Program Manager, will spend 1000 hours on the project (\$20,840 in personnel and \$5,120 in fringe). For both Sophie and Jaeydah's fringe rate is 25.57% of gross salary and includes, workers compensation, unemployment, meals, a health stipend, paid time off, vacation, and payroll services. During Fall 2023 and 2024, an 8 week afterschool youth employment program will be trained on the monitoring of the neighborhoods. 30 youth will be spending 3 hours in the neighborhoods for hands-on training (\$1,982 in personnel and \$198 in fringe). Fringe rate is 10.95% of gross salary and includes workers compensation, unemployment, meals, and payroll services. A youth leader supervisors will be chaperoning the youth Green Team while they undertake this program (\$270 in personnel and \$23

in fringe). Fringe rate is 8.49% of gross salary and includes workers compensation, unemployment, meals, and payroll services. During Spring 2023 and 2024, an 8 week afterschool youth employment program will be trained on the monitoring of the neighborhoods. 30 youth will be spending 3 hours in the neighborhoods for hands-on training (\$1,982 in personnel and \$198 in fringe). Fringe rate is 10.95% of gross salary and includes workers compensation, unemployment, meals, and payroll services. A youth leader supervisors will be chaperoning the youth Green Team while they undertake this program (\$270 in personnel and \$23 in fringe). Fringe rate is 8.49% of gross salary and includes workers compensation, unemployment, meals, and payroll services.

**Contractual** - Green Umbrella (GU) \$39,018: GU will help facilitate the execution of the three new Climate Safe Neighborhood (CSN) communities and their Equity Advisory Councils (EAC). Savannah Sullivan, Climate Policy Director, will help with outreach and facilitation of the CSN's EAC as well as with the coordination between GU and Groundwork. GU's new Climate Policy Coordinator will work with Groundwork on connections and new policy adoptions at the neighborhood council and city council level. Savannah will spend 642 hours (\$16,695) with the Climate Policy Coordinator spending 600 hours (\$13,365) on the project. Their 18% fringe rate comes out to \$5,411 and their indirect rate of 10% comes out to \$3,547. DataBloom (DB) \$30,000: DB will develop evaluation and data tracking systems to track key process evaluation indicators, evaluate Green Teams and professional development modules through pre-post and follow up surveys, perform formative evaluation to continually improve content, meetings, and other resources and deliverables. DB will dedicate 240 hours to the project (\$125 per hour).

**Equipment** - For this project we will be using the AQMesh Air Quality monitoring system which costs \$15,000 per monitor. These monitors are self powered and monitor for all of the parameters we are testing for in the community.

**Travel** - In order to get to the monitoring sites, the grant funds \$1,120 for mileage for staff to drive to the sites.

**Supplies** - Monitors used include the Temtop M2000 (4 monitors at \$372.99 each), which monitors PM2.5, PM10, HCHO and CO2 and the Temtop M10i, used to monitor PM2.5, PM10, HCHO, VOCs, and AQI (10 monitors at \$352.99 each). Stationary AirBeam Air Quality Monitors will be used by residents (2 monitors at \$279 each) and Hand held AirBeam Air Quality Monitors (2 monitors at \$250 each). Additionally, capturing the air quality monitoring data in the field will require an LTE plan, totalling \$1,200 for 13 iPad Minis for the two years. Trees will be purchased to be planted in the participating neighborhoods. They will be planted in conjunction with the findings of the resident led neighborhood mapping and air quality monitoring results. Areas with worst air quality and neighborhood resident identification will be prioritized. 200 trees will be purchased for \$150 each, totalling \$30,000.

**Other** - The two new communities participating in the Climate Safe Neighborhood program will form Equity Advisory Councils of 10 participants, each receiving \$599, totalling \$11,980. The 10 members of the Equity Advisory Council of the four participating communities will be paid a stipend of \$100 per training on the Air Quality Monitoring, there are 3 trainings in the series, totaling \$15,000. The 10 members of the 4 Equity Advisory Council's will also be paid \$1,300 for the installation and monitoring of an Air Quality Monitor in their homes, totalling \$52,000.



<b>EPA Enhanced Air Quality Monitoring for Communities Large Grant Budget 23' -24'</b>				
<b>Personnel</b>	<b>Cost/unit</b>	<b>Amount</b>	<b>EPA AQM Total</b>	<b>In Kind Match</b>
Tanner Yess, Executive Director	\$26.25	1000	\$26,250	\$0
Sophie Revis, Program Director	\$20.84	1000	\$20,840	\$0
Jaeydah Edwards, Program Manager	\$20.84	1000	\$20,840	\$0
Youth Leader Spring & Fall 23'+24'	\$15.00	36	\$540	\$0
Green Team Spring & Fall 23'+24'	\$11.01	360	\$3,964	\$0
Youth Leader Summer 23'+24'	\$15.00	60	\$0	\$900
Green Team Summer 23'+24'	\$11.01	600	\$0	\$6,606
Dr. Pat Ryan	\$25.47	197	\$0	\$5,018
		<b>Personnel Totals:</b>	<b>\$72,434</b>	<b>\$12,524</b>
<b>Fringe Benefits</b>	<b>Cost/unit</b>	<b>Amount</b>	<b>EPA AQM Total</b>	<b>In Kind Match</b>
Tanner Yess, Executive Director	\$5.87	1000	\$5,870	\$0
Sophie Revis, Program Director	\$5.12	1000	\$5,120	\$0
Jaeydah Edwards, Program Manager	\$5.12	1000	\$5,120	\$0
Youth Leader Spring & Fall 23'+24'	\$1.27	36	\$46	\$0
Green Team Spring & Fall 23'+24'	\$1.10	360	\$396	\$0
Youth Leader Summer 23'+24'	\$1.27	60	\$0	\$76
Green Team Summer 23'+24'	\$1.20	600	\$0	\$720
		<b>Fringe Totals:</b>	<b>\$16,552</b>	<b>\$796</b>
<b>Contractual Costs</b>			<b>EPA AQM Total</b>	<b>In Kind Match</b>
DataBloom			\$30,000	\$0.00
Green Umbrella			\$39,018	\$0.00
(see budget narrative for breakdown)		<b>Contractual Cost Totals:</b>	<b>\$69,018</b>	<b>\$0.00</b>
<b>Travel</b>	<b>Cost/unit</b>	<b>Amount</b>	<b>EPA AQM Total</b>	<b>In Kind Match</b>

Mileage	0.56	2000	\$1,120	0
		<b>Travel Cost Totals:</b>	<b>\$1,120</b>	<b>\$0</b>
<b>Equipment</b>	<b>Cost/unit</b>	<b>Amount</b>	<b>EPA AQM Total</b>	<b>In Kind Match</b>
AQMesh Air Quality Monitors	\$15,000.00	10	\$150,000	\$0.00
		<b>Equipment Totals:</b>	<b>\$150,000</b>	<b>\$0</b>
<b>Supplies</b>	<b>Cost/unit</b>	<b>Amount</b>	<b>EPA AQM Total</b>	<b>In Kind Match</b>
iPad Mini	\$679.00	13	\$0	\$8,827.00
Stationary Airbeam Monitors	\$279.00	2	\$558	\$558.00
Temtop M2000 CO2 Monitor	\$372.99	4	\$1,492	\$1,491.96
Temtop M10i WiFi Monitor	\$352.99	10	\$3,530	\$3,529.90
Hand held Airbeam Monitors	\$250.00	2	\$500	\$500.00
Trees	\$150.00	200	\$30,000	\$0.00
		<b>Supply Totals:</b>	<b>\$36,080</b>	<b>\$14,907</b>
<b>Other</b>	<b>Cost/unit</b>	<b>Amount</b>	<b>EPA AQM Total</b>	<b>In Kind Match</b>
Participant Support Costs (EAC Air Quality Training Stipend)	\$300.00	40	\$12,000	\$0
Participant Support Costs (EAC Air Quality Monitoring)	\$25.00	2080	\$52,000	\$0
Climate Advisory Group Stipends	\$599.00	20	\$11,980	\$5,990
Printing	\$2,000.00	1	\$2,000	\$0.00
LTE Plan	\$1,200.00	13	\$15,600	\$0.00
		<b>Other Totals:</b>	<b>\$93,580</b>	<b>\$5,990</b>
		<b>Indirect Cost (10%)</b>	<b>\$43,878</b>	
			<b>EPA AQM Total</b>	<b>In Kind Match</b>
		<b>Totals Costs:</b>	<b>\$482,662</b>	<b>\$34,217</b>

**Congressional Districts of Project/Program**

**Applicant:** Groundwork Ohio River Valley

**Funding Opportunity:** EPA Enhanced Air Quality Monitoring for Communities,  
EPA-OAR-OAQPS-22-01

**Project Title:** What else is in the air? Connecting air quality to citizen climate advocacy & action

**Primary Activities will happen in the following Congressional Districts**

**Ohio**

- 01
- 02

## **Areas Affected by Project**

**Applicant: Groundwork Ohio River Valley**

**EPA Enhanced Air Quality Monitoring for Communities Project: What else is in the air? Connecting air quality to citizen climate advocacy & action**

**Primary Activities will take place in and benefit residents of the following counties:**

### **Ohio**

- Hamilton County, Ohio

Manifest for Grant Application # GRANT13580580

Grant Application XML file (total 1):

1. GrantApplication.xml. (size 29347 bytes)

Forms Included in Zip File(total 6):

1. Form ProjectNarrativeAttachments\_1\_2-V1.2.pdf (size 16118 bytes)

2. Form SF424\_3\_0-V3.0.pdf (size 24221 bytes)

3. Form SF424A-V1.0.pdf (size 23629 bytes)

4. Form EPA4700\_4\_3\_0-V3.0.pdf (size 22577 bytes)

5. Form OtherNarrativeAttachments\_1\_2-V1.2.pdf (size 15902 bytes)

6. Form EPA\_KeyContacts\_2\_0-V2.0.pdf (size 37285 bytes)

Attachments Included in Zip File (total 8):

1. OtherNarrativeAttachments\_1\_2 OtherNarrativeAttachments\_1\_2-Attachments-1240-Quality Assurance Statement .pdf application/pdf (size 280019 bytes)

2. OtherNarrativeAttachments\_1\_2 OtherNarrativeAttachments\_1\_2-Attachments-1239-IRS determination letter combined.pdf application/pdf (size 572335 bytes)

3. OtherNarrativeAttachments\_1\_2 OtherNarrativeAttachments\_1\_2-Attachments-1238-Community Based Set Aside.pdf application/pdf (size 374791 bytes)

4. SF424\_3\_0 SF424\_3\_0-1235-Congressional Districts.GWORV.docx-2.pdf application/pdf (size 36935 bytes)

5. OtherNarrativeAttachments\_1\_2 OtherNarrativeAttachments\_1\_2-Attachments-1237-Letters of Commitment.pdf application/pdf (size 499020 bytes)

6. SF424\_3\_0 SF424\_3\_0-1234-Areas Affected.GWORV.docx.pdf application/pdf (size 33325 bytes)

7. ProjectNarrativeAttachments\_1\_2 ProjectNarrativeAttachments\_1\_2-Attachments-1241-Grant Project Narrative.pdf application/pdf (size 220538 bytes)

8. OtherNarrativeAttachments\_1\_2 OtherNarrativeAttachments\_1\_2-Attachments-1236-EPA AQM Resumes.pdf application/pdf (size 530172 bytes)



**GROUNDWORK**  
Ohio River Valley

### **Quality Assurance Statement**

**Groundwork Ohio River Valley** is where justice, equity, and the environment meet. Groundwork's programs expand human connection to nature in communities left behind by the environmental movement. Through green jobs, stewardship, and citizen science, Groundwork connects the environment to residents' quality-of-life. It has built the Green Team, one of the nation's largest youth green workforce programs with over 100 employees who come from diverse racial and socio-economic backgrounds, usually from underserved neighborhoods. After-school and summer jobs allow youth to re-envision their campuses, conduct conservation and schoolyard transformations, and learn how environmental quality affects their communities, and what they can do about it. Green Team youth work on climate resilience and mitigation projects around the region.

As a science based organization, ensuring the quality of the outcomes of the projects and programming we undertake is paramount. For this reason we are partnering with DataBloom for the evaluation and data management from the project. Through working with Dr. Patrick Ryan at Cincinnati Children's Hospital, we will develop a Quality Assurance Project Plan that will maintain the validity of the data collected throughout the duration of the project. Alan Edwards, Groundwork's Co-Executive Director and operations manager, will be responsible for the development of the project's QAPP. Alan has run many citizen science programs and data collection initiatives, also having developed QAPP's for several other citizen science data collection projects.

Alan Edwards  
Co-Executive Director  
Groundwork Ohio River Valley